



EMERGENCY RESPONSE PLAN

PINE VALLEY SEWER SYSTEM

INTRODUCTION

An ERP is a written document that spells out a sewer system's plan of action for responding to potential emergencies, disasters or abnormal operational circumstances. This plan is to provide guidelines that will minimize disruption of normal customer services and protect public health and safety if an incident should occur.

Each ERP must include the following information:

- a) the names and telephone numbers of
 - i) the management personnel for the sewer system,
 - ii) Medical Health Officer and Public Health Inspector, and
 - ii) other agencies and officials;
- b) the persons referred to in paragraph (a) to be contacted in each type of emergency or abnormal operational circumstance;
- c) the steps to follow in the event of an emergency or abnormal operational circumstances;
- d) protocols to follow respecting public notice if an immediate reporting standard cannot be met.

This specific ERP was developed by the Cariboo Regional District for the Pine Valley Sewer System. Within this plan, specific community and CRD staff members are identified and assigned guideline procedures and appointed responsibilities. In the case of an incident, it is vital that these identified individuals be familiar with the scope of the ERP and their appointed responsibilities. This is to insure that if an incident should occur, the safety of the public served by this sewer system is guaranteed and service disruption is minimal.



EMERGENCY RESPONSE PLAN

PINE VALLEY SEWER SYTEM

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EMERGENCY RESPONSE PLAN

EMERGENCY RESPONSE PLAN * ACTION LIST

TYPE OF EMERGENCY: LIFT STATION FAILURE

- ACTIONS:**
- Receive high level alarm
 - Contact operator / contractor / supervisor
 - Proceed to lift station immediately
 - Remove lock and open lift station hatch
 - Unlock and access control panel and change controls to manual
 - Start pump #1 and observe if it is running and reducing the level, if not,
 - Start pump #2, if this pump fails to run call septic tank hauler and commence a pump and haul operation, discharging to the treatment plant if operational (no power outage) or the septic haulers lagoons or Wildwood aeration cell, if plant not operation
 - Continue pump and haul until lift station pumps are removed, repaired and returned into service
 - If a sewage discharge to the environment has occurred, follow SEWAGE DISCHARGE procedures for water and or land as required
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TYPE OF EMERGENCY: MANHOLE OVERFLOW

- ACTIONS:**
- Receive report of overflowing manhole
 - Obtain approximate location of manhole from the caller
 - Contact operator / contractor / supervisor
 - Contact septic tank hauler immediately and dispatch to location to pump and haul effluent to the treatment plant and remove blockage from collection main
 - If a sewage discharge to the environment has occurred, follow SEWAGE DISCHARGE procedures for land and or water as required.
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TYPE OF EMERGENCY: SEWAGE DISCHARGE TO LAND

- ACTIONS:**
- Contact operator / contractor / supervisor
 - Determine where sewage is flowing and advise EMBC
 - In coordination with EMBC and Communications, develop an appropriate public message and advise the public via radio or door to door flyer as most suited to the circumstances
 - Mark off infected area with tape and or temporary fencing and post warning signs
 - If possible, contain spilled sewage and remove utilizing septic tank hauler equipment
 - Obtain bagged lime and apply to ground infected areas for a minimum of three days
 - After three days, remove excess lime, fencing and warning signs
 - In consultation with EMBC, advise public when health / environmental threat is over.
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EMERGENCY RESPONSE PLAN

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EMERGENCY RESPONSE PLAN * ACTION LIST

TYPE OF EMERGENCY: SEWAGE DISCHARGE TO WATER (SURFACE OR GROUND)

- ACTIONS:**
- Contact operation / contractor / supervisor
 - Determine where sewage is flowing (surface water and or groundwater well) and advise EMBC
 - In coordination with EMBC, develop an appropriate public message and advise the public via radio or door to door flyer as most suited to the circumstances
 - If possible, contain spill sewage to prevent further discharging to water and remove utilizing septic tank hauler equipment.
 - Sample and monitor the water as directed by EMBC.
 - For associated land discharge point follow **SEWAGE DISCHARGE TO LAND** procedures
 - In consultation with EMBC, advise public when environmental threat is over.
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TYPE OF EMERGENCY: BROKEN FORCE MAIN

- ACTIONS:**
- Contact operator / contractor / supervisor
 - Turn off lift station or high lift pumps to isolate broken main and arrange for pumping and hauling of sewage from either lift station or the treatment plant wet well as required to ensure no other system overflows. Discharge the sewage to the Wildwood aeration cell.
 - Follow **SEWAGE DISCHARGE** procedures for land and or water as the circumstances require
 - Undertake the appropriate repairs
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TYPE OF EMERGENCY: BERM FAILURE ON LAGOON

- ACTIONS:**
- Contact operator / contractor / supervisor
 - Turn off high lift pumps and commence a pump haul operation by removing the treated effluent from the treatment plan wet well. Discharge effluent at the Wildwood aeration lagoon.
 - If failure is on the outside perimeter of the aeration cell, lower the lagoon level to below the berm breach by pumping through the chlorination unit into the larger cell, not exceeding 7mpg, the design limit of the chlorinator. Follow **SEWAGE DISCHARGE** procedures for the land and or water as the circumstances require.
 - If failure is on the larger cell lower the lagoon level below the berm breach utilizing the irrigation piping and control valve. Contact owner of hay field, to arrange for either flood or spray irrigation on the field.
 - Contact engineer to assess the problem and make repairs.
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